

## Davies Valley Groundwater Basin

- Groundwater Basin Number: 7-61
- County: Imperial
- Surface Area: 3,500 acres (5.6 square miles)
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### **Basin Boundaries and Hydrology**

Davies Valley Groundwater Basin is located in the southwestern portion of the Colorado Desert Region, adjacent to the international border. Ground surface elevations range from 1,000 feet on the valley floor to 2,000 feet in the surrounding highlands. Average annual precipitation is about 6 inches. Davies Valley Groundwater Basin is bounded by unnamed faults on the east and west. The northern boundary is defined by impermeable volcanic, granitic, and non-marine sedimentary rocks. The southern basin boundary is defined by contact with impermeable rock, which is roughly coincident with the international border.

Surface drainage is north to northeast in the upper part and southward in the lower part of the basin.

### **Hydrogeologic Information**

#### ***Water Bearing Formations***

Holocene and Pleistocene alluvial deposits are the main water bearing materials found in the basin (DWR 1973). These deposits are likely similar to the adjacent Coyote Wells Groundwater Basin (7-29) which contains unconsolidated Quaternary alluvial deposits that reach 650 feet in thickness (DWR 1973).

#### ***Groundwater Level Trends***

No published groundwater level data has been located for this basin.

#### ***Groundwater Storage***

**Groundwater Storage Capacity.** Total groundwater storage capacity is not known.

**Groundwater in Storage.** Groundwater in storage is not known.

#### ***Groundwater Budget (Type C)***

Groundwater budget information is not available.

#### ***Groundwater Quality***

No water quality data are available.

## Well Characteristics

Well yields (gal/min)	
Municipal/Irrigation	
Total depths (ft)	
Domestic	
Municipal/Irrigation	

## Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency

## Basin Management

Groundwater management:	
Water agencies	
Public	
Private	

## References Cited

California Department of Water Resources (DWR). 1973. Ground Water Quality Problem, Coyote Well Hydrologic Unit: November 1 and 29, 1972. Memorandum Report for California Regional Water Quality Control Board.

## Additional References

California Department of Public Works. 1954. Ground Water Occurrence and Quality, Colorado River Basin Region. Water Quality Investigations Report No. 4.

California Department of Water Resources (DWR). 1967. Ground Water Occurrence and Quality: San Diego Region. Bulletin No. 106-2. 106 p.

\_\_\_\_\_. 1975. California's Ground Water. Bulletin No. 118. 135 p.

Loelz, O. J. and others. 1975. Geohydrologic Reconnaissance of the Imperial Valley, California. Water Resources of the Lower Colorado River-Salton Sea Area. U. S. Geological Survey Professional Paper 486-K. 54 p.

## Errata

Changes made to the basin description will be noted here.